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### **Abstract**

The measurement of gossypol in cotton seed products using conventional methods namely spectrophotometric, NMR methods, chemiluminiscence method, gas-liquid chromatography polarography, thin layer chromatography and paper chromatography are tedious, time-consuming, high cost and needs calibrated systems. In the present  
10 invention, a low cost and portable system is devised and the concentration of total gossypol is directly displayed on LCD in  $\text{mg l}^{-1}$  or ppm from the test solution and no standard solution is required to make calibration curve for measuring the absorbance.